About General Dynamics LTE

General Dynamics Mission Systems LTE combines expertise in building and integrating complex communication networks and products with industry leading 3G and 4G Long Term Evolution (LTE) wireless broadband to deliver “always on” high-speed access to vital information needed by law enforcement, emergency first responders, government agencies, military personnel and others responsible for public safety and national security.

General Dynamics Mission Systems LTE ensures that information, ranging from real-time video feeds to large image files and other mission-critical data will be available in cluttered urban environments, isolated rural areas and everywhere in between. General Dynamics Mission Systems is committed to introducing state-of-the-art, next generation communications technology.

About

The General Dynamics Mission Systems LTE WiFi Hotspot provides a local mobile WiFi hotspot supporting up to 10 clients with 3GPP LTE and HSPA wide area network access.

The device has been designed to support LTE Bands 7, 20 and 33, and supports downlink/uplink data rates up to 102.0Mbps/50.8Mbps in a 20MHz FDD channel.

The device is battery powered for up to 4 hours of continuous operation, with 24 hour idle time. A micro-USB interface is provided for charging, configuration and tethered use.

User authentication and security is supported via a USIM.

Software upgrades to future LTE releases are done seamlessly over-the-air by network push.

What Sets Us Apart:

- Mobile 802.11b/g/n WiFi hotspot for connection to smart phones, tablets, laptops, etc.
- High performance throughput
- Low power consumption for long battery life
- Custom multi-band design
- Over the air software upgradeable

Applications

The device is designed to provide mobile WiFi access to any WiFi enabled device, using LTE or HSPA for wide area access. Up to 10 clients can be connected.

LTE Mobile Wifi Hotspot

Delivering the Network, Connecting Heroes, Securing the Future.
LTE Mobile WiFi Hotspot

Specifications

- **Operating Frequency**
  - 3GPP Band Class 7 (2620-2690MHz / 2500-2570MHz FDD)
  - 3GPP Band Class 20 (791-821MHz / 832-862MHz FDD)
  - 3GPP Band Class 33 (1900-1920MHz TDD)

- **Channel bandwidth**
  - 5MHz, 10MHz and 20MHz

- **Duplex mode**
  - Time Division Duplex (TDD)

- **UE Category**
  - Category 3 UE

- **Transmit power**
  - +23 dBm ± 2 dB

- **Radio performance**
  - 3GPP TS 36.101 compliant

- **LTE Radio configuration**
  - 1 Transmit / 2 Receive

- **HSPA Operating Bands**
  - UMTS FDD Band 1 (2100MHz), Band 2 (1900MHz), Band 5 (850MHz) Band 8 (900MHz).

- **Standards compliance**
  - 3GPP R6 LTE compliant
  - 3GPP DC-HSPA+ Release 9
  - WiFi IEEE 802.11 b/g/n

- **WiFi features**
  - DHCP Server, NAT, Firewall, VPN Pass through, WEP (64/128), TKIP, AES, WPA/WPA2, WAPI security

- **Voltage**
  - 4.75 to 5.25 VDC

- **Host interface**
  - USB 2.0 over micro USB connector

- **Authentication**
  - USIM slot

- **Driver**
  - Windows XP/Vista/7/8 32-bit and 64-bit versions (WHQL certified)
  - Mac OS x 10.6, 10.7 and 10.8
  - Linux Kernel 2.6.32 or higher

- **Operating temperature**
  - -10 to +55°C (14 to +131°F) ambient

- **Storage temperature**
  - -20 to +75°C (-4 to +167°F) ambient

- **Humidity**
  - 5 to 95% condensing

- **Regulatory Approvals**

Model Number

| Model ARB | LTE Bands 7, 20, 33 |

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